

**Docket No. 1919**

Please DATE and RETURN acknowledging receipt of—  
In re Application of:

Cui, et. al.

Filed: 05/08/01

Serial No. 09/851,069

PROCESS FOR THE SELECTIVE MODIFICATION  
OF CARBOHYDRATES BY PEROXIDASE CATALYZED  
OXIDATION

Enclosed are: Transmittal Form  
Information Disclosure Statement  
Form PTO-1449 and 25 References

National Starch and Chemical Company - Patent Department  
06/15/01

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PTO/SB/21 (08-00)  
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<h1>TRANSMITTAL FORM</h1> <p>(to be used for all correspondence after initial filing)</p>	Application Number	09/851,069
	Filing Date	05/08/01
	First Named Inventor	Cui, et. al.
	Group Art Unit	To Be Assigned
	Examiner Name	To Be Assigned
Total Number of Pages in This Submission	Attorney Docket Number	1919

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Postcard Receipt PT0-1449 and 25 references
Remarks		


SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Laurelee A. Duncan, Reg. No. 44,096
Signature	<i>Laurelee A. Duncan</i>
Date	June 15, 2001

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 06/15/01	
Typed or printed name	Dorothy J. Mouzon
Signature	<i>Dorothy J. Mouzon</i>
Date	06/15/01

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Deborah J. Mouzon

Patent #1919

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of  
Cui, et. al.

Serial No. 09/851,069

Group Art Unit:

Filed: 05/08/01

Examiner:

For: PROCESS FOR THE SELECTIVE  
MODIFICATION OF CARBOHYDRATES BY  
PEROXIDASE CATALYZED OXIDATION

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. 1.97

Commissioner for Patents  
Washington, D. C. 20231

SIR:

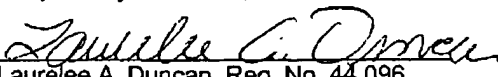
In compliance with Applicants' duty of disclosure under 37 C.F.R. 1.56, and in accordance with 37 C.F.R. 1.98, Applicants' direct the Examiner's attention to the publications listed on the PTO #1449 form, which is being submitted herewith. Copies of all publications listed on the #1449 form are being submitted herewith.

The disclosure of the above references does not constitute an admission that they are relevant or material to the claims or are "prior art" to the subject application. The citation of them is not to be construed as a representation that no better art exists or that a search has been made; they are cited merely as constituting collectively the closest art of which applicants are aware.

It is respectfully submitted that the information should be considered by the Patent Office as it is being filed pursuant to 37 CFR § 1.97(b)(3) before the mailing date of a first office action on the merits.

In the event that a first Office Action has already issued and is crossing in the mail with this information, please consider the information and charge the \$240.00 fee under 37 C.F.R. § 1.17p to Deposit Account No. 14-0455. Please charge any additional fees or credit overpayment to Deposit Account No. 14-0455. Triplicate copies of this letter are enclosed.

Respectfully submitted,

  
Laurelee A. Duncan, Reg. No. 44,096  
Attorney for Applicant(s)  
Tel. 908-685-5433

National Starch and Chemical Company  
P. O. Box 6500  
Bridgewater, New Jersey 08807-0500  
June 15, 2001

Form PTO-1449 (REV. 7/80)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 1919			Serial No. 09/851,069	
<b>LIST OF REFERENCES CITED BY APPLICANT</b> (Use several sheets if necessary)				Applicant: Cui, et. al.				
				Filing Date: May 08, 2001				Group
<b>U.S. PATENT DOCUMENTS</b>								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
	AA	6,087,135	07/00	Klerulff, Jesper V.	435	101		
	AB	5,593,872	01/97	Gabelman, et. al.	435	147		
	AC	5,888,787	03/99	Chen, et. al.	435	147		
	AD	6,080,573	06/00	Convents, et. al.	435	263		
	AE	5,795,855	08/98	Schneider, et. al.	510	376		
	AF	6,103,059	08/00	Call, Hans-Peter	162	65		
	AG	6,023,000	02/00	Fritz-Langhals, et. al.	568	320		
	AH	5,389,369	02/95	Allen, Robert C.	424	94.4		
	AI	5,866,392	02/99	Schou, et. al.	435	190		
	AJ	6,069,282	05/00	Fritz-Langhals, et. al.	568	320		
	AK							
<b>FOREIGN PATENT DOCUMENTS</b>								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	WO 99/23117	05/14/99	PCT				
	AM	WO 99/23240	05/14/99	PCT				
	AN	WO 99/34009	07/08/99	PCT				
	AO	WO 99/54545	10/28/99	PCT				
	AP	WO 92/09741	06/11/92	PCT				
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	AR	Yaropolov, et. al., "Laccase Properties, Catalytic Mechanism, and Applicability (EC 1.10.3.2)", <u>Applied Biochemistry and Biotechnology</u> , Vol. 49, pp. 257-280, (1994)						
	AS	Thomas, et. al., "Oxidation of Bromide by the Human Leukocyte Enzymes Myeloperoxidase and Eosinophil Peroxidase", <u>The Journal of Biological Chemistry</u> , Vol. 270, No. 7, pp. 2906-2913, (1995).						
	AT	Platt, et. al., "Singlet Oxygen Formation by a Peroxidase, H <sub>2</sub> O <sub>2</sub> and Halide System", <u>Err. J. Biochem.</u> , Vol. 93, pp. 323-332 (1979).						
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>				
<b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

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	AK							
<b>FOREIGN PATENT DOCUMENTS</b>								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	WO 97/28257	08/07/97	PCT				
	AM	WO 00/50463	08/31/00	PCT				
	AN	WO 00/50621	08/31/00	PCT				
	AO							
	AP							
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	AR	Biotechnology Notables, Biotechnology Progress in 1999, Vol. 15 No. 2.						
	AS	Vanysek, Peter, Electrochemical Series, <u>Handbook of Chemistry</u> , pp. 8-20 – 8-33.						
	AT	Pittier, et. al. "Peroxidases", Methods in Enzymatic Analysis in 1983, Vol. 3, pp 286-293.						
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	AH							
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	AJ							
	AK							
FOREIGN PATENT DOCUMENTS								
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							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AR	Xu, et. al., "Redox Chemistry in Laccase-Catalyzed Oxidation of N-Hydroxy Compounds", <u>Applied and Environmental Microbiology</u> , Vol. 66, No. 5. Pp. 2052-2056 (2000).						
	AS							
	AT							
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